



TVA has been in the power business **since 1933**. That means a level of expertise honed over **millions of work-hours** at every type of plant and facility. Put that experience to work for your plant by contacting us today.



www.tva.com/power/servicecenter.htm



POWER SERVICE CENTER

BACKED BY OVER 70 YEARS OF EXPERIENCE



POWER SERVICE CENTER

At TVA's Power Service Center, we've been repairing and refurbishing power system components for over 70 years. We understand power generation and distribution systems from top to bottom, and we have the know-how and the tools to keep them going.

The Power Service Center provides maintenance and repair services for TVA's own generating system as well as for other utilities and industries. Whether you have a scheduled or an unforeseen outage, we'll repair any problem—at our location or yours—efficiently and cost-effectively.

We're conveniently located in north Alabama at Muscle Shoals, within easy reach by **rail, river barge, truck, or air** of nearly every generating facility in the U.S.



We've got the know-how

Our repair shop has been used as a model by many other U.S. utilities. No other repair organization in the country can match the size of our facility or the range of our services.

We're strong on planning, using the most up-to-date software to schedule and monitor an entire job from start to finish. Our scheduling and project-control departments start planning months in advance of a project to ensure that everything from personnel to equipment is in place.

If you have a forced outage, we'll mobilize to your site within 48 hours. Our craftsmen, foremen, and supervisors have the skills and experience to perform virtually any repair, modification, or major overhaul at your location. As soon as the problem is identified, qualified craftsmen and equipment are sent to start work immediately.

We've got the experts

Our highly trained and experienced workforce is 500-strong and ready to help, no matter what your problem, type of generating facility, or location.

Electrical, mechanical, civil, and nuclear engineers as well as expert craftsmen and project managers are ready to help you. In addition, the technical expertise of other TVA groups is available when needed.

We can do the heavy lifting

Our 50-plus cranes range in capacity from three to 400 tons. We maintain a fully equipped fleet of turbine maintenance tool units stocked with a variety of general and specialized tooling for expediting repairs.

Our 750,000 square feet of working space houses the widest range of advanced technology and equipment available anywhere. And we have a complete transportation fleet to get parts and equipment to and from your site.



We can tackle any type of job

Our services are wide-ranging, as the following list of shop and field services shows:

Electrical Shop Services

In our motor shop, we repair and rewind all types of electric motors, from fractional horsepower models to the largest motors in any system. We can repair all of your plant instrumentation, including cleaning, testing, and calibration critical to the safe operation of any plant. In addition, we refurbish potential and current transformers up to 500 kv and electrical bushings up to 161 kv.

Mechanical Shop Services

Our machine shop can repair all types of bearings, fabricate motors, fans, and pump shafts, and apply specialized coatings to turbine components. We perform over 100 different machining operations using mobile equipment, so that almost any task can be performed at your location.

Structural Fabrication Shop Services

Our boilermakers, steamfitters, sheet-metal workers, and ironworkers can fabricate just about anything you might need, from coal chutes to pressure vessels to expansion joints to sluice and wicket gates.

Hydro Plant Field Services

We perform every facet of hydro plant maintenance and repair, from routine service to a complete overhaul and upgrade of equipment to diving inspections.

Steam Plant Field Services

We repair your equipment and bring everything up to the latest OEM standards, using such methods as steam path audits, stem and bushing clearance tests, and nondestructive testing, cleaning, and coating of rotors, blades, and cylinders.



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